

Solutions

a) For a given booking id (says 60001), calculate its total no. of seats and total fare

```
SQL> select bookingid, sum (noofseats) as total_seat, sum(seatfare*noofseats) as total_fare
from seattype join bookingdetail using(seattypeid) group by bookingid having bookingid =
&booking ;
```

Enter value for booking: 60001

```
BOOKINGID TOTAL_SEAT TOTAL_FARE
```

```
-----
```

```
60001      5      500
```

OR

```
select bookingid ,sum(noofseats) as total_seat, sum(seatfare*noofseats) as total_fare from seattype
join bookingdetail using(seattypeid) group by bookingid ;
```

```
BOOKINGID TOTAL_SEAT TOTAL_FARE
```

```
-----
```

```
60006      2      300
```

```
60011      4      600
```

```
60012      4      500
```

```
60004      4      500
```

```
60007      6      600
```

```
60008      1      150
```

```
60010      4      200
```

```
60009      3      300
```

```
60003      7      550
```

```
60001      5      500
```

```
60005      4      200
```

BOOKINGID TOTAL_SEAT TOTAL_FARE

60002 6 450

b) Given a seat type (say REGULAR), show the no. of times it's booked for a given date range

```
select count(*) as total_seats from booking join bookingdetail using(bookingid)
joinseattype using(seattypeid) where (bookeddate between &startdate and &enddate) and
seattypeid = &seat_type ;
```

Enter value for startdate: '08-APR-15'

Enter value for enddate: '16-APR-15'

Enter value for seat_type: 'Regular'

TOTAL_SEATS

3

c) Show utilization of all halls for show date 15-Feb-2015 (no. of occupied seats vs. total seats)

```
select sum(sum(noofseats)) / sum(totalcapacity)*100 as show_utilisation from booking
joinbookingdetail using(bookingid) join shows using(showid) join hall using(hallid) where
showdate = '15-FEB-15' group by hallid, totalcapacity;
```

OUTPUT

SHOW_UTILISATION

2.36363636

d) List the total earnings from all movies for year 2015.

```
selectto_char(showdate,'YYYY') as year ,sum(noofseats*seatfare) from booking join
bookingdetail using (bookingid)
joinseattype using (seattypeid)
group by to_char(showdate , 'YYYY')
havingto_char(showdate , 'YYYY') = '2015';
```

OUTPUT

YEAR TOTAL_COST

2015 4850

e) Show seat type-wise total booking (i.e. total no. of seats) and earnings for movie SHOLAY.

```
select seattypeid, sum(noofseats) as seat_filed, sum(noofseats * seatfare) as seat_fare_total from
bookingdetail
```

```
join booking using(bookingid)
```

```
join seattype using(seattypeid)
```

```
join shows using (showid)
```

```
join movies using (movieid)
```

```
where moviename = 'Sholay'
```

```
group by seattypeid;
```

OUTPUT

SEATTYPEID SEAT_FILED SEAT_FARE_TOTAL

Executive 6 600

Regular 3 150

Premium 2 300

f) Create a view to display show details: Movie name, Hall id & description, Slot timing and From date ('DD-MON' format). Order by moviename, fromdate, hallid.

```
create view showdetails as (select moviename , hallid , case slotno
```

```
when 1 then '10:30 AM'
```

```
when 2 then '2:00 PM'
```

```
when 3 then '5:00 PM'
```

```
when 4 then '8:00 PM'
```

```
end as slot_timing
```

```
, to_char(fromdate,'DD-MON') as from_date, hallid desc from shows join movies using(movieid)
join hall using(hallid)
);
```

OUTPUT

View created